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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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|-----------|---|-------------------------|---|
| Applicant | : | Yamakawa |) |
| | | |) |
| App. No. | : | 10/055,023 |) |
| | | |) |
| Filed | : | January 22, 2002 |) |
| | | |) |
| For | : | MANUFACTURING APPARATUS |) |
| | | FOR MULTI-FIBER OPTICAL |) |
| | | FERRULE |) |
| | | |) |
| Examiner | : | Unknown |) |

ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION
AND
REVOCATION AND POWER OF ATTORNEY

United States Patent and Trademark Office
PO BOX 2327
Arlington, VA 22202

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventor(s) to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventor(s) to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 620 Newport Center Drive, Sixteenth Floor, Newport Beach, California 92660, Telephone

App. No. : 10/055,023
Filed : January 22, 2002

(949) 760-0404, **Customer No. 20,995**, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use **Customer No. 20,995** for all communications.

The Furukawa Electric Co., Ltd.

Dated: March 18 2002

By: Junnosuke Furukawa
Name: Junnosuke Furukawa

Title: President

Address: 6-1, Marunouchi 2-chome, Chiyoda-ku
Tokyo 100-8322, JAPAN

S:\DOCS\MMAMMA-4661.DOC\cfg\030502

ASSIGNMENT

WHEREAS, WE (1) Jun Yamakawa, a Japanese citizen, residing in Tokyo, Japan; (2) Masahiro Hirao, a Japanese citizen, residing in Tokyo, Japan; (3) Yasushi Kihara, a Japanese citizen, residing in Tokyo, Japan; (4) Takashi Shigematsu, a Japanese citizen, residing in Tokyo, Japan; hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in **MANUFACTURING APPARATUS FOR MULTI-FIBER OPTICAL FERRULE**, the specification of which was filed on January 22, 2002 as Application No. 10/055,023.

AND WHEREAS, The Furukawa Electric Co., Ltd., with its principal place of business at 6-1 Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322, Japan, (hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 18th day of March, 2002

Jun Yamakawa

Signature of Jun Yamakawa

This 18th day of March, 2002

Masahiro Hirao

Signature of Masahiro Hirao

This 18th day of March, 2002

Yasushi Kihara

Signature of Yasushi Kihara

This 18th day of March, 2002

Takashi Shigematsu

Signature of Takashi Shigematsu

Witnessed by:

Yoshiohshi Atsushi

Print Name:

COPY
DO NOT RECORD



Declaration for Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書

私は、以下に記名された発明者として、ここに
下記の通り宣言する：

私の住所、郵便の宛先そして国籍は、私の氏名
の後に記載された通りである。

下記の名称の発明について、特許請求範囲に記載され、且つ特許が求められている発明主題に
関して、私は、最初、最先且つ唯一の発明者で
ある（唯一の氏名が記載されている場合）か、
或いは最初、最先且つ共同発明者である（複数
の氏名が記載されている場合）と信じている。

As a below named inventor, I hereby
declare that:

My residence, post office address
and citizenship are as stated next to
my name.

I believe I am the original, first and sole
inventor (if only one name is listed
below) or an original, first and joint
inventor (if plural names are listed below)
of the subject matter which is claimed
and for which a patent is sought on the
invention entitled

MANUFACTURING APPARATUS FOR MULTI-FIBER

OPTICAL FERRULE

上記発明の明細書はここに添付されているが、
下記の欄がチェックされている場合は、この限り
でない：

_____ の日に出願され、
この出願の米国特許出願番号またはPCT国際出願
番号は、
_____ であり、且つ
_____ の日に補正された出願（該当する場合）

the specification of which is attached
hereto unless the following box is
checked:

was filed on January 22, 2002
as United States Application Number or
PCT International Application Number
10/055,023 and was amended on
_____ (if applicable).

私は、上記の補正書によって補正された、特許請
求範囲を含む上記明細書を検討し、且つ内容を理
解していることをここに表明する。

I hereby state that I have reviewed and
understand the contents of the above identified
specification, including the claims, as amended
by any amendment referred to above.

私は、連邦規則法典第37編規則1.56に定義されて
いる、特許性について重要な情報を開示する義務
があることを認める。

I acknowledge the duty to disclose information
which is material to patentability as defined in
Title 37, Code of Federal Regulations, Section
1.56.

Japanese Language Declaration
(日本語宣言書)

私は、ここに、以下に記載した外国での特許出願または発明者証の出願、或いは米国以外の少なくとも一国を指定している米国法典第35編第365条(a)によるPCT国際出願について、同第119条(a)

—(d)項又は第365条

(b)項に基づいて優先権を主張するとともに、優先権を主張する本出願の出願日よりも前の出願日を有する外国での特許出願または発明者証の出願、或いはPCT国際出願については、いかなる出願も、下記の枠内をチェックすることにより示した。

I hereby claim foreign priority under Title 35, United States Code, Section 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application for which priority is claimed.

Prior Foreign Application(s)
外国での先行出願

Priority Claimed
優先権主張

2001-109095

(Number)
(番号)

Japan

(Country)
(国名)

06/April/2001

(Day/Month/Year Filed)
(出願日／月／年)

Yes
はい
え

No
いい
い

(Number)
(番号)

(Country)
(国名)

(Day/Month/Year Filed)
(出願日／月／年)

(Number)
(番号)

(Country)
(国名)

(Day/Month/Year Filed)
(出願日／月／年)

私は、ここに、下記のいかなる米国仮特許出願についても、その米国法典第35編第119条(e)項の利益を主張する。

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

(Application No.)
(出願番号)

(Filing Date)
(出願日)

(Application No.)
(出願番号)

(Filing Date)
(出願日)

Japanese Language Declaration
(日本語宣言書)

私は、ここに、下記のいかなる米国出願についても、その米国法典第35編第120条に基づく利益を主張し、又米国を指定するいかなるPCT国際出願についても、その同第365条(c)に基づく利益を主張する。また、本出願の各特許請求の範囲の主題が、米国法典第35編第112条第1段に規定された様で、先行する米国出願又はPCT国際出願に開示されていない場合においてはその先行出願の出願日と本国内出願との間の期間中に入手された情報で、連邦規則法第37編規則1.56に定義された特許性に関わる重要な情報について開示義務があることを承認する。

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application No.)
(出願番号)

(Filing Date)
(出願日)

(Status: Patented, Pending, Abandoned)
(現況: 特許許可、係属中、放棄)

(Application No.)
(出願番号)

(Filing Date)
(出願日)

(Status: Patented, Pending, Abandoned)
(現況: 特許許可、係属中、放棄)

(Application No.)
(出願番号)

(Filing Date)
(出願日)

(Status: Patented, Pending, Abandoned)
(現況: 特許許可、係属中、放棄)

私は、ここに、表明された私自身の知識に係わる陳述が真実であり、且つ情報と信ずることに基づく陳述が、真実であると信じられることを宣言し、さらに、故意に虚偽の陳述などを行った場合は、米国法典第18編第1001条に基づき、罰金または拘禁、若しくはその両方により処罰され、またそのような故意による虚偽の陳述は、本出願またはそれに対して発行されるいかなる特許も、その有効性に問題が生ずることを理解した上で陳述が行われたことを、ここに宣言する。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Japanese Language Declaration
(日本語宣言書)

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| 第四共同発明者の署名 | 日付(月/日/年) | Fourth inventor's signature | Date |
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| 国籍 | Citizenship | | |
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